

RECORD OF SERVICE
Civilian (Government)

MILITARY PAYDRAKE PAYMENT

NATURE OF ACTION	POSITION AND GRADE	BASIC SALARY	EFFECTIVE DATE	DEPARTMENT, BUREAU, AND LOCATION
Excepted appointment in Civil Service	Cryptanalyst	\$4500	31 Dec 21	OCSigO, Wash., D. C.
Reclassification	Cryptanalyst	\$5200	1 Jul 24	Same as above
Promotion	Cryptanalyst	\$5600	1 Jul 25	Same as above
Promotion	Cryptanalyst	\$5800	1 Jul 28	Same as above
Parole to Military Service	--	--	23 Dec 40	U. S. Army
Return from Military Service	Cryptanalyst P-6	\$5800	16 Apr 41	OCSigO, Wash., D. C.
Administrative Promotion under Non-Specific Act	Cryptanalyst P-6	\$6000	1 Oct 41	Same as above
Promotion	Lead Cryptanalyst P-7	\$6500	9 Apr 42	Same as above
Promotion	Director of Comm Research P-8	\$8000	24 Nov 42	Same as above
Meritorious Within-Grade Classification authorized	Same as above	\$8250	16 Mar 44	Same as above
		\$9275	21 Jan 47	Army Security Agency Washington, D. C.
Excepted Appoint Schedule B-4-III	Chief, Comm Research	\$10000	4 May 47	Same as above
Excepted Appoint	Cryptologic Consultant P-8	\$10330	29 Apr 49	Same as above
Step Increase	Cryptologic Consultant	\$10750	30 Oct 49	Same as above
	36-3 63-15		29 Feb 1952	

Anal. 3 w/afcc serial

RECORD OF SERVICE
(cont'd)

WILLIAM FREDERICK FRIEDMAN

Civilian (Government)

NATURE OF ACTION	POSITION AND GRADE	RATES PAYABLE	EFFECTIVE DATE	DEPARTMENT, BUREAU, AND LOCATION
Accepted Appnt	Research Consultant GS-15	\$10750	25 Dec 49	Armed Forces Security Agency, Wash., D. C.

Military

Service	Rank	Period of Service	Effective Duty		
National Army	1st Lt.	3 Jun 18	15 Apr 19	3 Jun 18	5 Apr 19
Signal Reserve, ORC	Captain	4 May 22	6 Dec 25	9 Dec 24	23 Dec 24
	Major	7 Dec 25	2 Nov 36	6 Dec 25	22 Dec 25
				6 Dec 26	22 Dec 26
				6 Dec 27	19 Dec 27
				5 Dec 28	12 Dec 28
				2 Dec 29	15 Dec 29
				14 Sep 30	27 Sep 30
	1st. Col.	3 Nov 36	15 Apr 41	12 Jun 38	25 Jun 38
				23 Dec 40	15 Apr 41
Officers' Honorary Retired List	1st. Col.	2 Jun 49	Date		

(Basic ltr: JAG, D/A, of 20 December 1951, subject: H. R. 7726,
82d Congress, 1st Session, a bill "For the Relief of
William F. Friedman" and S. 2283, 82d Congress, 1st
Session, a bill, "For the Relief of William F. Friedman")
1st Ind (cont.)

Serial:

369

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that his inventions over a period of years have been of very substantial value to this Government and its allies. It can also be said that this situation differs from the Garnand case in its secrecy aspects; classification was not involved in the Garnand matter.

b. The problem of ownership of the inventions has been in question on several occasions not only in the Army Security Agency, but in the Signal Corps and, it is believed, in your office as well, but no final determination has ever been made. During a large part of the employment of Mr. Friedman, he has been a party to various agreements declaring that he was "employed to invent" but seldom, if ever, has there been direction to invent any specific thing. His duties have, by and large, been those of a chief cryptologist.

c. Estimation of the commercial possibilities of the Friedman inventions is difficult. As far as is known here, relatively little commercial use is made of privacy systems in this country except in banks and other financial organizations, and their use of business codes is commonly dictated as much by economy considerations as security; nevertheless, it cannot be said that a market for high-grade ciphering machines could not have been developed. Moreover, in the absence of security considerations, it is likely that a substantial market for the inventions could have been developed among foreign governments. Future commercialization is subject to the same difficulties of evaluation.

d. So far as is known, there has been no commercial use abroad of Mr. Friedman's inventions, none at least by or in behalf of the United States Government. Foreign use, in other words, has been confined to the military services of the United States and its allies, and, thus, within the scope of the usual Government licensees.

3. Referring generally to compensation for Mr. Friedman on account of his inventions, I feel very strongly that it should not be in the nature of a reward, notwithstanding the virtues of his inventions and their unquestioned value to the United States and its allies over a period of many years. It does appear to me, on the other hand, that, if the inventor has been denied an opportunity to realize commercial benefit only because his inventions were in a sensitive field and, more significantly, only because they were important in that field, then his treatment, relative to the treatment of other Government inventors, has not been equitable.

(Basic ltr: JAO, D/A, of 20 December 1951, subject: H. R. 5723
 82d Congress, 1st Session, a bill "For the Relief of William F. Friedman"
 William F. Friedman" and S. 203, 82d Congress, 1st
 Session, a bill, "For the Relief of William F. Friedman")
 Serial: 369

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4. Considering especially the matters raised in paragraph 5 of the basic correspondence, I fail to see that the special agreement between Mr. Friedman and the Government has substantial bearing on the principle underlying the subject bills. Since certain of the inventions were made before the date of the agreement, it would, at most, influence the amount of the recovery.

5. Furthermore, if there is merit at all in the theory on which the bills are based, then it appears that exercise by the Chief Signal Officer of his rights under the 1936 contract would not bar compensation with respect to inventions made even after that date, but only with respect to loss of commercial rights after assignment, right be requested (or accomplished). Except for security considerations, the inventor could have been attempting commercialization of his inventions for the past fifteen years. To say that no damages accrued during that period merely because the Chief Signal Officer may take title at some date in the future does not seem realistic.

6. A complete statement of Mr. Friedman's military and civilian Government service is enclosed. The record shows that he is not now receiving, and has never received, any pension for disability. As will be seen, his salary over a period of years has been above the average for Government employee, but to base an adverse decision on this circumstance would be equivalent to penalizing an outstanding employee since salaries in the field are no higher than elsewhere in the Government.

7. I feel that Public Law 700 provides little basis for any claim by Mr. Friedman. Such a claim, as I understand it, must represent compensation for use by the Government, and the Government has had, by license or assignment, the free right to use all of the inventions. It is furthermore true in any case that a claim under Public Law 700 must be based upon a patent, and no patents covering significant inventions have as yet issued. There has been, in other words, no use or, at most, inconsequential use of patented inventions but substantial use of 12 inventions of pending applications. It may be noted that Mr. Friedman has consistently disclaimed any intention to bring suit under Public Law 700 or any other statute.

(Basic ltr: JAG, D/A, of 20 December 1951, subject: H. R. 5728,
 82d Congress, 1st Session, a bill "For the Relief of
 William F. Friedman" and S. 2283, 82d Congress, 1st
 Session, a bill, "For the Relief of William F. Friedman")
 1st ltr (cont.)

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8. Based on the facts before me, and in the absence of a well-defined Government policy, I feel that I should not oppose Mr. Friedman's efforts to obtain legislative relief. This is especially true since I am convinced that in the long run an organization such as the Armed Forces Security Agency will suffer if, relative to other organizations, it must offer less not only of public recognition but also of material gain to men of outstanding intelligence, ingenuity, and skill.

RALPH J. CANINE
 Major General, U. S. Army
 Director, Armed Forces Security Agency

Inclosures - 3

1, 2 - n/a

Added

3. Record of Service,
 William F. Friedman

CC:w/incl 3

11 (3)

12

301 (2)

302L

~~ILPASSA~~

~~Plans &
 Policies Div~~

HBSTAUFFER:ILPASSA:293

302L:1723316 Feb 52

R & D

Note: Incls 1 & 2 were the House and Senate bills, respectively.

Atty

5

6

1st Ind

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Armed Forces Security Agency, Washington 25, D. C.

TO: Judge Advocate General, Department of the Army

1. An investigation of the background of the subject bills has been completed.

2. Reference is first made to the letter of 5 July 1951, from the Judge Advocate General, Department of the Army, to the Director, Armed Forces Security Agency, and particularly paragraph 10 thereof, and the information and comments below relate thereto.

a. Whether Mr. Friedman has accomplished anything which "warrants" compensation beyond what he has already received in the form of salary and commendations is impossible to say. It is this question that the Congress must determine. It can, however, be said